

BORDER REV. DATE: June 1, 2004

DRILL HOLES

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal with a traffic surveillance camera at the intersection of MD 187 (Old Georgetown Rd) and Edison Lane / Poindexter Lane in Montgomery County. All signal heads shall be replaced with black faced signal heads and countdown pedestrian heads shall be installed across MD 187 (Old Georgetown Rd). MD 187 (Old Georgetown Rd) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA five-phase, semi-actuated mode, with the MD 187 (Old Georgetown Rd) approaches running concurrently. An Exclusive/Permissive left turn phase shall remain in operation for the southbound approach of MD 187 (Old Georgetown Rd). The pedestrian phases with pushbutton actuation across both legs of MD 187 (Old Georgetown Rd) shall have Countdown Pedestrian phases. The pedestrian phases across Edison Lane / Poindexter Lane shall remain on recall. Farside sampling stations shall continue to be provided on the north leg MD 187 (Old Georgetown Rd) at this intersection. The Edison Lane / Poindexter Lane approaches shall also continue to run concurrently.
- The existing, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall remain in operation at this intersection.

III. SPECIAL NOTE

- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- All controller cabinet wiring will be performed by Montgomery County Forces. Contact Dr. Wilhelm DerMinassian at (240) 777-8795 seventy-two hours in advance of intended work.

The contact persons for District #3 (Montgomery County) are as follows:

Mr. Lee Starkloff  
Assistant District Engineer - Traffic  
Phone: (301) 513-7318

Mr. Wayne Mowdy  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Augie Rebish  
District Engineer - Utility  
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Signal Shop  
410-787-7652

Mr. Sonny Bailey  
Sign Shop  
410-787-7670

Dr. Wilhelm DerMinassian  
Montgomery County DPW&T  
(240) 777-8795

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

THERE IS NO EQUIPMENT TO BE SUPPLIED BY THE SHA.

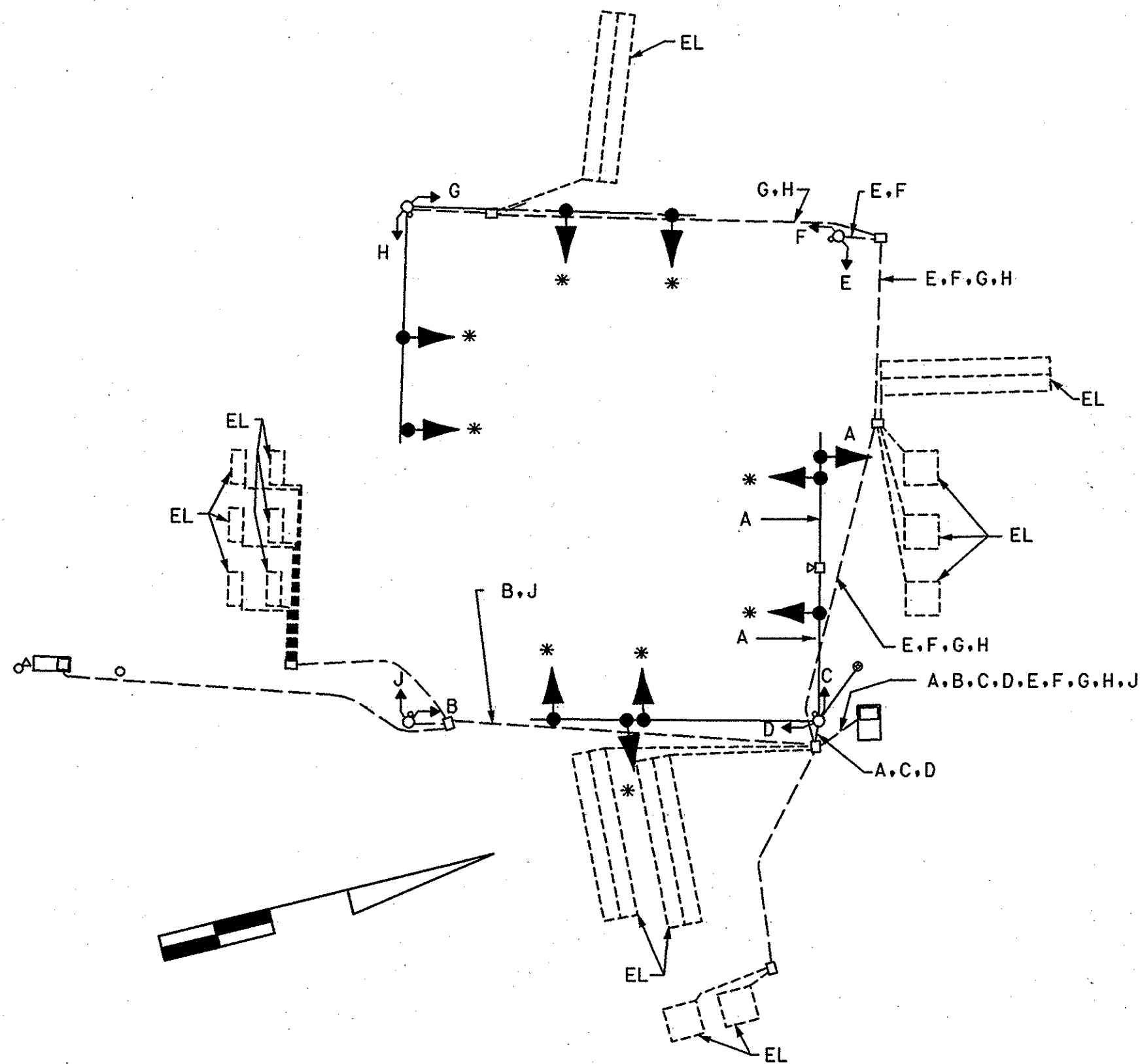
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8021	LED 16" countdown pedestrian signal head.	4 EA
8029	Remove and dispose of existing material and equipment per assignment.	1 EA
8092	8" vehicular traffic signal head section.	3 EA
8093	12" vehicular traffic signal head section.	31 EA
8101	Electrical cable - 5 conductor (No. 14 AWG).	1000 L.F.
8102	Electrical cable - 7 conductor (No. 14 AWG).	95 L.F.
8115	LED 16" pedestrian signal head section.	4 EA

PHASING DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
PHASE 2 & 5	R	R	←G-R	←G-R	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
2 & 5 CHANGE	R	R	←Y-R	←Y-R	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW
PED CLEAR	G	G	G	G	G	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 & 8 ALT	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 & 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



WIRING KEY	
A	7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
*	USE EXISTING WIRING
EL	LOOP WIRE (NO. 14 A.W.G.) EXISTING



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PLOTTED: #DATETIME# FILE: #FILE#

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
MD 187 (OLD GEORGETOWN RD) AND EDSON LANE / POINDEXTER DRIVE	
MD 314 A57/B57	
SCALE NONE	DATE 6/13/05 CONTRACT NO. AT7185185
DESIGNED BY JA	COUNTY MONTGOMERY
DRAWN BY RC	LOGMILE 15018704.45
CHECKED BY	TIMS NO. 0672
F.A.P. NO.	TOD NO. AT718-10
TS NO. 1992A-61	DRAWING NO. OF SHEET NO. 2 OF 2